

# SCORE Search Results Details for Application 10516759 and Search Result 20081112\_112528\_us-10-516-759-14\_copy\_24\_81.rai.

|                                 |   |                                       |                           |  |
|---------------------------------|---|---------------------------------------|---------------------------|--|
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This page gives you Search Results detail for the Application 10516759 and Search Result 20081112\_112528\_us-10-516-759-14\_copy\_24\_81.rai.

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OM protein - protein search, using sw model

Run on: November 12, 2008, 12:15:18 ; Search time 113 Seconds  
(without alignments)  
104.926 Million cell updates/sec

Title: US-10-516-759-14\_COPY\_24\_81  
Perfect score: 350  
Sequence: 1 DIKHNRRRDCVAEGKVCDP.....RNYSRGGVCVTHCNFLNGEPE 58

Scoring table: BL0SUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1246758 seqs, 204424702 residues

Total number of hits satisfying chosen parameters: 1246758

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:  
1: /ABSS/Data/CRF/ptodata/2/iaa/5\_COMB.pep:  
2: /ABSS/Data/CRF/ptodata/2/iaa/6\_COMB.pep:  
3: /ABSS/Data/CRF/ptodata/2/iaa/7\_COMB.pep:  
4: /ABSS/Data/CRF/ptodata/2/iaa/H\_COMB.pep:  
5: /ABSS/Data/CRF/ptodata/2/iaa/PCTUS\_COMB.pep:  
6: /ABSS/Data/CRF/ptodata/2/iaa/RE\_COMB.pep:  
7: /ABSS/Data/CRF/ptodata/2/iaa/backfile1.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result<br>No. | Query |       |        |    |                    | Description        |
|---------------|-------|-------|--------|----|--------------------|--------------------|
|               | Score | Match | Length | DB | ID                 |                    |
| 1             | 350   | 100.0 | 1342   | 1  | US-07-978-895-4    | Sequence 4, Appli  |
| 2             | 350   | 100.0 | 1342   | 1  | US-08-484-438-9    | Sequence 9, Appli  |
| 3             | 350   | 100.0 | 1342   | 1  | US-08-473-119-4    | Sequence 4, Appli  |
| 4             | 350   | 100.0 | 1342   | 1  | US-08-475-352-4    | Sequence 4, Appli  |
| 5             | 350   | 100.0 | 1342   | 2  | US-09-170-699-4    | Sequence 4, Appli  |
| 6             | 350   | 100.0 | 1342   | 3  | US-10-207-498-2    | Sequence 2, Appli  |
| 7             | 350   | 100.0 | 1342   | 3  | US-11-406-679-2    | Sequence 2, Appli  |
| 8             | 350   | 100.0 | 1343   | 7  | 5183884-4          | Patent No. 5183884 |
| 9             | 350   | 100.0 | 1360   | 2  | US-09-949-016-8022 | Sequence 8022, Ap  |
| 10            | 338   | 96.6  | 562    | 3  | US-10-159-353B-2   | Sequence 2, Appli  |
| 11            | 212   | 60.6  | 615    | 3  | US-10-362-380-4    | Sequence 4, Appli  |
| 12            | 212   | 60.6  | 911    | 1  | US-08-484-438-10   | Sequence 10, Appli |
| 13            | 212   | 60.6  | 1058   | 1  | US-08-484-438-4    | Sequence 4, Appli  |
| 14            | 212   | 60.6  | 1308   | 1  | US-08-484-438-2    | Sequence 2, Appli  |
| 15            | 212   | 60.6  | 1308   | 3  | US-10-394-322A-18  | Sequence 18, Appli |
| 16            | 212   | 60.6  | 1308   | 3  | US-10-362-380-2    | Sequence 2, Appli  |
| 17            | 185   | 52.9  | 1210   | 2  | US-09-715-249-2    | Sequence 2, Appli  |
| 18            | 185   | 52.9  | 1210   | 3  | US-10-394-322A-16  | Sequence 16, Appli |
| 19            | 185   | 52.9  | 1210   | 3  | US-11-294-621-512  | Sequence 512, App  |
| 20            | 180   | 51.4  | 1210   | 2  | US-09-723-307-67   | Sequence 67, Appli |
| 21            | 179   | 51.1  | 644    | 1  | US-08-336-708A-9   | Sequence 9, Appli  |
| 22            | 179   | 51.1  | 1210   | 1  | US-08-484-438-7    | Sequence 7, Appli  |
| 23            | 179   | 51.1  | 1210   | 1  | US-08-475-035-4    | Sequence 4, Appli  |
| 24            | 175   | 50.0  | 1255   | 3  | US-10-541-270A-41  | Sequence 41, Appli |
| 25            | 174   | 49.7  | 624    | 2  | US-08-422-108-1    | Sequence 1, Appli  |
| 26            | 174   | 49.7  | 624    | 2  | US-08-422-734-1    | Sequence 1, Appli  |
| 27            | 174   | 49.7  | 645    | 2  | US-09-602-812A-13  | Sequence 13, Appli |
| 28            | 174   | 49.7  | 645    | 2  | US-09-921-161-1    | Sequence 1, Appli  |
| 29            | 174   | 49.7  | 645    | 3  | US-09-602-800A-13  | Sequence 13, Appli |
| 30            | 174   | 49.7  | 645    | 3  | US-11-213-557-1    | Sequence 1, Appli  |
| 31            | 174   | 49.7  | 653    | 3  | US-09-493-480-3    | Sequence 3, Appli  |
| 32            | 174   | 49.7  | 653    | 3  | US-09-632-507A-3   | Sequence 3, Appli  |
| 33            | 174   | 49.7  | 653    | 3  | US-09-854-356-3    | Sequence 3, Appli  |
| 34            | 174   | 49.7  | 712    | 3  | US-09-493-480-7    | Sequence 7, Appli  |
| 35            | 174   | 49.7  | 712    | 3  | US-09-632-507A-7   | Sequence 7, Appli  |
| 36            | 174   | 49.7  | 712    | 3  | US-09-854-356-7    | Sequence 7, Appli  |
| 37            | 174   | 49.7  | 782    | 1  | US-09-146-283-4    | Sequence 4, Appli  |
| 38            | 174   | 49.7  | 782    | 2  | US-08-579-823A-4   | Sequence 4, Appli  |
| 39            | 174   | 49.7  | 782    | 2  | US-09-344-195-4    | Sequence 4, Appli  |
| 40            | 174   | 49.7  | 919    | 3  | US-09-493-480-6    | Sequence 6, Appli  |
| 41            | 174   | 49.7  | 919    | 3  | US-09-632-507A-6   | Sequence 6, Appli  |
| 42            | 174   | 49.7  | 919    | 3  | US-09-854-356-6    | Sequence 6, Appli  |
| 43            | 174   | 49.7  | 1253   | 3  | US-10-146-473-72   | Sequence 72, Appli |
| 44            | 174   | 49.7  | 1255   | 1  | US-08-625-101-2    | Sequence 2, Appli  |
| 45            | 174   | 49.7  | 1255   | 1  | US-08-356-786-2    | Sequence 2, Appli  |

## ALIGNMENTS

RESULT 1

US-07-978-895-4

; Sequence 4, Application US/07978895

; Patent No. 5480968

; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.

; APPLICANT: Aaronson, Stuart A.

; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND

; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Suite 400

; STREET: 133 Carnegie Way, N.W.

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: U.S.A.

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/978,895

; FILING DATE: 19921110

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414-028

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770

; TELEFAX: (404) 688-9880

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1342 amino acids

; TYPE: AMINO ACID

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-07-978-895-4

Query Match 100.0%; Score 350; DB 1; Length 1342;

Best Local Similarity 100.0%; Pred. No. 2.3e-26;

Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRPRRDCAEGKVCDCPLCSSLGGCGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Db 483 DIKHNRPRRDCAEGKVCDCPLCSSLGGCGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 540

RESULT 2

US-08-484-438-9

; Sequence 9, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellstr m, Ingegerd

; APPLICANT: Hellstr m, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie &amp; Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442

; FILING DATE: 14-OCT-1994

; APPLICATION NUMBER: US 08/150,704

; FILING DATE: 10-NOV-1993

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165

; FILING DATE: 24-NOV-1992

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-230

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 9:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1342 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-484-438-9

Query Match 100.0%; Score 350; DB 1; Length 1342;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRRRRCVAEGKVCDCPLCSSGGCWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58  
 |||||||.....|||||||.....|||||||.....|||||||.....|||||||.....|||||||

Db 483 DIKHNRRRDCVAEGKVCDCPLCSSGGCWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 540

## RESULT 3

US-08-473-119-4

; Sequence 4, Application US/08473119

; Patent No. 5820859

; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.

; APPLICANT: Aaronson, Stuart A.

; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND

; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Suite 400

; STREET: 133 Carnegie Way, N.W.

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: U.S.A.

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/473,119

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/978,895

; FILING DATE: 10-NOV-1992

; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414-028

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770

; TELEFAX: (404) 688-9880

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1342 amino acids

;
 TYPE: amino acid  
 ;
 TOPOLOGY: linear  
 ;
 MOLECULE TYPE: protein  
 US-08-473-119-4

Query Match 100.0%; Score 350; DB 1; Length 1342;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRRRDCVAEGKVCPLCSSGGCWGPGPQCLSCRNYSRGGVCVTHCNFLNGEP 58  
 |||||||  
 Db 483 DIKHNRRRDCVAEGKVCPLCSSGGCWGPGPQCLSCRNYSRGGVCVTHCNFLNGEP 540

## RESULT 4

US-08-475-352-4

; Sequence 4, Application US/08475352

; Patent No. 5916755

## ; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.  
 ; APPLICANT: Aaronson, Stuart A.  
 ; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE  
 ; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND  
 ; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Suite 400  
 ; STREET: 133 Carnegie Way, N.W.  
 ; CITY: Atlanta  
 ; STATE: Georgia  
 ; COUNTRY: U.S.A.  
 ; ZIP: 30303

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/475,352  
 ; FILING DATE:  
 ; CLASSIFICATION:

; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 07/978,895  
 ; FILING DATE:  
 ; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989  
 ; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.  
 ; REGISTRATION NUMBER: 33,438  
 ; REFERENCE/DOCKET NUMBER: 1414-028  
 ; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770  
 ; TELEFAX: (404) 688-9880  
 ; INFORMATION FOR SEQ ID NO: 4:

;
 SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1342 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-475-352-4

Query Match 100.0%; Score 350; DB 1; Length 1342;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRPRRDCVAEGKCDPLCSSLGGCGPGPQCLSCRNYSRGGVCVTHCNFLNGEP 58  
 |||||||

Db 483 DIKHNRPRRDCVAEGKCDPLCSSLGGCGPGPQCLSCRNYSRGGVCVTHCNFLNGEP 540

## RESULT 5

US-09-170-699-4

;
 Sequence 4, Application US/09170699  
 ; Patent No. 6639060  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kraus, Matthias H.  
 ; APPLICANT: Aaronson, Stuart A.  
 ; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE  
 ; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND  
 ; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Suite 400  
 ; STREET: 133 Carnegie Way, N.W.  
 ; CITY: Atlanta  
 ; STATE: Georgia  
 ; COUNTRY: U.S.A.  
 ; ZIP: 30303  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/170,699  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 07/978,895  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Perryman, David G.  
 ; REGISTRATION NUMBER: 33,438  
 ; REFERENCE/DOCKET NUMBER: 1414-028  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (404) 688-0770  
 ; TELEFAX: (404) 688-9880  
 ; INFORMATION FOR SEQ ID NO: 4:

;
 SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1342 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-09-170-699-4

Query Match 100.0%; Score 350; DB 2; Length 1342;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRRRDCVAEGKVCDPLCSSLGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 58  
 |||||||  
 Db 483 DIKHNRRRDCVAEGKVCDPLCSSLGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 540

## RESULT 6

US-10-207-498-2

; Sequence 2, Application US/10207498  
 ; Patent No. 7125680  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Elizabeth Singer  
 ; APPLICANT: Ralf Landgraf  
 ; APPLICANT: Dennis J. Slamon  
 ; APPLICANT: David Eisenberg  
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING  
 ; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3  
 ; FILE REFERENCE: 30448.103-US-U1  
 ; CURRENT APPLICATION NUMBER: US/10/207,498  
 ; CURRENT FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 60/308,431  
 ; PRIOR FILING DATE: 2001-07-27  
 ; NUMBER OF SEQ ID NOS: 24  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 1342  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

US-10-207-498-2

Query Match 100.0%; Score 350; DB 3; Length 1342;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRRRDCVAEGKVCDPLCSSLGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 58  
 |||||||  
 Db 483 DIKHNRRRDCVAEGKVCDPLCSSLGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 540

## RESULT 7

US-11-406-679-2

; Sequence 2, Application US/11406679  
 ; Patent No. 7314916  
 ; GENERAL INFORMATION:

;
 APPLICANT: Elizabeth Singer  
 ; APPLICANT: Ralf Landgraf  
 ; APPLICANT: Dennis J. Slamon  
 ; APPLICANT: David Eisenberg  
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING  
 ; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3  
 ; FILE REFERENCE: 30448.103-US-U1  
 ; CURRENT APPLICATION NUMBER: US/11/406,679  
 ; CURRENT FILING DATE: 2006-04-19  
 ; PRIOR APPLICATION NUMBER: US/10/207,498  
 ; PRIOR FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 60/308,431  
 ; PRIOR FILING DATE: 2001-07-27  
 ; NUMBER OF SEQ ID NOS: 24  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 1342  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-406-679-2

Query Match 100.0%; Score 350; DB 3; Length 1342;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

|    |   |
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|    |   |
| Db | 483 DIKHNRRRDCVAEGKVCDCPLCSSGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 540 |

## RESULT 8

5183884-4

; Patent No. 5183884  
 ; APPLICANT: KRAUS, MATTHIAS H.; AARONSON, STUART A.  
 ; TITLE OF INVENTION: DNA SEGMENT ENCODING A GENE FOR A  
 ; RECEPTOR RELATED TO THE EPIDERMAL GROWTH FACTOR RECEPTOR  
 ; NUMBER OF SEQUENCES: 5  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/444,406  
 ; FILING DATE: 01-DEC-1989  
 ; SEQ ID NO:4:  
 ; LENGTH: 1343  
 5183884-4

Query Match 100.0%; Score 350; DB 7; Length 1343;  
 Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

|    |   |
|----|---|
| Qy | 1 DIKHNRRRDCVAEGKVCDCPLCSSGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 58    |
|    |   |
| Db | 484 DIKHNRRRDCVAEGKVCDCPLCSSGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 541 |

## RESULT 9

US-09-949-016-8022  
; Sequence 8022, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 8022  
; LENGTH: 1360  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8022

Query Match 100.0%; Score 350; DB 2; Length 1360;  
Best Local Similarity 100.0%; Pred. No. 2.3e-26;  
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 DIKHNRPRRDCAEGKCDPLCSSGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 58  
Db 501 DIKHNRPRRDCAEGKCDPLCSSGGCWGPQCLSCRNYSRGGVCVTHCNFLNGEP 558

RESULT 10  
US-10-159-353B-2  
; Sequence 2, Application US/10159353B  
; Patent No. 7390632  
; GENERAL INFORMATION:  
; APPLICANT: Maihle, Nita  
; APPLICANT: Lee, Hakjoo  
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and  
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble  
; TITLE OF INVENTION: ErbB3  
; FILE REFERENCE: 01-03Maihle  
; CURRENT APPLICATION NUMBER: US/10/159,353B  
; CURRENT FILING DATE: 2002-05-31  
; PRIOR APPLICATION NUMBER: US 09/676,380  
; PRIOR FILING DATE: 2000-09-29  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 2  
; LENGTH: 562  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-10-159-353B-2

Query Match                96.6%; Score 338; DB 3; Length 562;  
 Best Local Similarity 100.0%; Pred. No. 1.6e-25;  
 Matches 56; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy                1 DIKHNRPRRDCVAEGKVCDCPLCSSGGCGPGPGQCLSCRNYSRGGVCVTHCNFLNG 56  
                   ||||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

Db                483 DIKHNRPRRDCVAEGKVCDCPLCSSGGCGPGPGQCLSCRNYSRGGVCVTHCNFLNG 538

RESULT 11

US-10-362-380-4

; Sequence 4, Application US/10362380  
 ; Patent No. 7332579  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENENTECH, INC.  
 ; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Sliwkowski, Mark X.  
 ; TITLE OF INVENTION: ErbB4 ANTAGONISTS  
 ; FILE REFERENCE: 39766-0072 US  
 ; CURRENT APPLICATION NUMBER: US/10/362,380  
 ; CURRENT FILING DATE: 2003-08-06  
 ; PRIOR APPLICATION NUMBER: 60/229,679  
 ; PRIOR FILING DATE: 2000-09-01  
 ; PRIOR APPLICATION NUMBER: 60/265,516  
 ; PRIOR FILING DATE: 2001-01-31  
 ; PRIOR APPLICATION NUMBER: 09/940,101  
 ; PRIOR FILING DATE: 2001-08-27  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 4  
 ; LENGTH: 615  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

US-10-362-380-4

Query Match                60.6%; Score 212; DB 3; Length 615;  
 Best Local Similarity 60.7%; Pred. No. 5.2e-13;  
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy                2 IKHNRRPRRDCVAEGKVCDCPLCSSGGCGPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57  
                   | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|

Db                462 IRDNRKAENCTAEGMVCNHLCSSDGCWGPQCLSCRFSRGRCIESCNLYDGE 517

RESULT 12

US-08-484-438-10

; Sequence 10, Application US/08484438  
 ; Patent No. 5811098  
 ; Patent No. 5811098 5780031  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Flownan, Gregory D.  
 ; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Siegall, Clay B.  
 ; APPLICANT: Hellstr m, Ingegerd  
 ; APPLICANT: Hellstr m, Karl E.  
 ; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE  
 ; NUMBER OF SEQUENCES: 42  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: U.S.A.  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/484,438  
 ; FILING DATE: 07-JUN-1995  
 ; CLASSIFICATION: 530  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/323,442  
 ; FILING DATE: 14-OCT-1994  
 ; APPLICATION NUMBER: US 08/150,704  
 ; FILING DATE: 10-NOV-1993  
 ; CLASSIFICATION: 530  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/981,165  
 ; FILING DATE: 24-NOV-1992  
 ; CLASSIFICATION: 530  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Misrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-230  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 869-8864/9741  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 10:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 911 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: unknown  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: protein  
 US-08-484-438-10

Query Match 60.6%; Score 212; DB 1; Length 911;  
 Best Local Similarity 60.7%; Pred. No. 7.4e-13;  
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCAEGKVCDFLCSSGGCWGPGPQCLSCRNYSRGGVCVTHCNFLNGE 57

:|:|| :|:||| ||:| ||| | ||| | | :|:| :|:| :| | :|  
Db 487 IRDNRKAENCTAEGMVCNHLCSSDGCWGPQCLSCRFSRGRCIESCNLYDGE 542

RESULT 13

US-08-484-438-4

; Sequence 4, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellström, Ingegerd

; APPLICANT: Hellström, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442

; FILING DATE: 14-OCT-1994

; APPLICATION NUMBER: US 08/150,704

; FILING DATE: 10-NOV-1993

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165

; FILING DATE: 24-NOV-1992

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-230

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

;
 LENGTH: 1058 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-484-438-4

Query Match 60.6%; Score 212; DB 1; Length 1058;  
 Best Local Similarity 60.7%; Fred. No. 8.5e-13;  
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNPRRRDCVAEGKVCDCPLCSSGGCWGPGPQQCLSCRNYSRGGVCVTHCNFLNGE 57  
 |: || :| |||| ||: |||| ||||||| |||||| :||| :|: || :||

Db 487 IRDNRKAENCTAEGMVCNHLCSSDGCWGPGPDQCLSCRFSRGRCIESCNLYDGE 542

## RESULT 14

US-08-484-438-2

; Sequence 2, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

## ; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.  
 ; APPLICANT: Culouscou, Jean-Michel  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Siegall, Clay B.  
 ; APPLICANT: Hellstr m, Ingegerd  
 ; APPLICANT: Hellstr m, Karl E.  
 ; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE  
 ; NUMBER OF SEQUENCES: 42  
 ; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: U.S.A.  
 ; ZIP: 10036-2711

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25

## ; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438  
 ; FILING DATE: 07-JUN-1995  
 ; CLASSIFICATION: 530

## ; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442  
 ; FILING DATE: 14-OCT-1994  
 ; APPLICATION NUMBER: US 08/150,704  
 ; FILING DATE: 10-NOV-1993  
 ; CLASSIFICATION: 530

## ; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165  
 ; FILING DATE: 24-NOV-1992

;
 CLASSIFICATION: 530  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Misrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-230  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 869-8864/9741  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1308 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-484-438-2

Query Match 60.6%; Score 212; DB 1; Length 1308;  
 Best Local Similarity 60.7%; Pred. No. 1e-12;  
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCVAEGKVCDCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57  
 :| || :| |||| ||:|||| ||||||| |||||| :||| :||| :||| :||| :||| :||| :|||  
 Db 487 IRDNRAENCTAEGMVCNHLCSSDGCWGPGPDQCLSCRFSRGRCIESCNLYDGE 542

## RESULT 15

US-10-394-322A-18

; Sequence 18, Application US/10394322A  
 ; Patent No. 7202033  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SUNESIS PHARMACEUTICALS, INC.  
 ; APPLICANT: Prescott, John C.  
 ; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS  
 ; FILE REFERENCE: 39750-0006 US  
 ; CURRENT APPLICATION NUMBER: US/10/394,322A  
 ; CURRENT FILING DATE: 2003-03-20  
 ; PRIOR APPLICATION NUMBER: US 60/366,892  
 ; PRIOR FILING DATE: 2002-03-21  
 ; NUMBER OF SEQ ID NOS: 70  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 18  
 ; LENGTH: 1308  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-394-322A-18

Query Match 60.6%; Score 212; DB 3; Length 1308;  
 Best Local Similarity 60.7%; Pred. No. 1e-12;  
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCVAEGKVCDCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57  
 :| || :| |||| ||:|||| ||||||| |||||| :||| :||| :||| :||| :||| :||| :|||  
 Db 487 IRDNRAENCTAEGMVCNHLCSSDGCWGPGPDQCLSCRFSRGRCIESCNLYDGE 542

Search completed: November 12, 2008, 12:17:14

Job time : 116 secs

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